

IN THE ABSTRACT

Please delete the abstract presently appearing in the Application and replace with the following:

a' ~~An~~ An angle measurement device capable of providing both linear and non-linear control transfer functions directly using a shaped, generally convex, magnet and linear magnetic sensors, such as Hall sensors. The shape of the magnet is also used to control and optimize the magnitude of the angle measured. This technique of using a special shaped magnet is also used with digital sensors, such as digital Hall switches and arrays.

This angle measurement device can be used in many applications requiring an accurate, robust, reliable (including redundant) but inexpensive method to translate angle displacement into a signal voltage or current. Industrial or military hand controllers, such as joysticks, are but one implementation. ~~A~~

IN THE SPECIFICATION

On page 5, line 22 please insert ---,--- between "0.005 inch" and "layer 22".

On page 9, line 4 please insert ---that--- between "magnetized such" and "the north".

On page 9, line 28 please delete "each" from between "joystick 60 is" and "independent of"

On page 11, line 9 in the first column of the table, please delete "Joy" and insert ---Joystick--- in its place.